

Wikiprint Book

Title: Main Features

Subject: FARM - FARM/4.12/MainFeatures

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Main Features

- Emission of pollutants from diffuse and point sources
- Three-dimensional transport by advection and turbulent diffusion
- Optional TUV radiation module
- Transformation of chemical species by gas-phase chemistry, with flexible mechanism configuration
- Aerosol module with inorganic and organic species
- Treatment of persistent organic pollutants (POPs) and heavy metals (HM)
- Dry and wet removal of pollutants
- One- or two-way nesting with an arbitrary number of computational grids
- Assimilation of concentrations data from monitoring stations
- Fully parallelized (OpenMP, MPI and hybrid modes)